

REMARKS

In accordance with the foregoing, claims 6 and 18 have been cancelled without prejudice or disclaimer and claims 1, 2, 4, 14, 15, 17, 19, 23-25, 27-31 and 33 have been amended. Thus, claims 1-5, 7-17 and 19-33 are pending and under consideration. No new matter is included in this amendment.

Allowable Subject Matter:

At page 13 of the Office Action, the Examiner indicates that claims 2-6, 15-19 and 24-28 are objected to as being dependent on a rejected base claim but would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims. Allowable claim 6 has been cancelled without prejudice or disclaimer and the features thereof incorporated into claim 1. Allowable claims 2 and 4 have been amended as to form and to properly depend from amended claim 1. Amended claims 2 and 4 include the same features as originally included in allowable claims 2 and 4, but are expressed more concisely in view of amended claim 1. Allowable claims 15 and 17 have been amended as to form and to properly depend from amended claim 14. Amended claims 15 and 17 include the same features as originally included in allowable claims 15 and 17, but are expressed more concisely in view of amended claim 14. Claim 18 has been cancelled without prejudice or disclaimer. Claims 24, 27 and 28 have been amended to properly depend from amended claim 23.

The First 35 U.S.C. §102(e) Rejection:

At page 5 of the Office Action, claims 1, 10-14 and 20-22 are rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent 6,226, 257 to Morimoto. Claim 1 has been amended to incorporate features of allowable claim 6. Claims 10-13 are deemed to be patentable at least for similar reasons set forth regarding claim 1.

Claim 14 has been amended in a similar manner as claim 1 and is deemed to be patentable at least for similar reasons set forth above regarding claim 1. Claims 20-22 are deemed to be patentable at least for similar reasons set forth above regarding claim 14.

The Second 35 U.S.C. §102(e) Rejection:

At page 7 of the Office Action, claim 23 is rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent 6,226,257 to Morimoto. Claim 23 has been amended to incorporate similar features as incorporated in claims 1 and 14 and is deemed to be patentable at least for similar reasons set forth above regarding claims 1 and 14.

The 35 U.S.C. §102(b) Rejection:

At page 8 of the Office Action, claims 29-33 are rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent 5,933,410 to Nakane et al. Claim 29 has been amended as set forth above. Nakane et al. does not disclose "reading a header signal having multi-modulated header information wherein first and second header information modulated according to first and second types of modulation, respectively, overlap one another in at least some intervals of the header signal; demodulating the read header signal according to the first type of demodulation to obtain the first header information; demodulating the read header signal according to the second type of demodulation to obtain second header information; and combining the demodulated first and second header information, respectively, to output the combined header information," as recited in claim 29. Amended claims 30, 31 and 33 are deemed to be patentable at least for similar reasons set forth above regarding claim 29 and claim 32 is deemed to be patentable at least for similar reasons set forth above regarding claim 31.

Conclusion:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

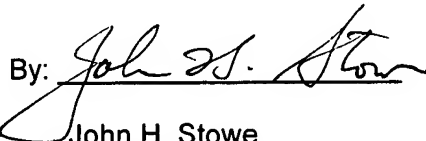
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

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